INPUT SET: S33895.raw

> **This Raw Listing contains the General
> Information Section and up to the first 5 pages.**

```
 1                                    SEQUENCE LISTING
 2
 3    (1)      General Information:
 4
 5         (i) APPLICANT: Gonsalves, Dennis
 6                        Pang, Sheng-Zhi
 7
 8        (ii) TITLE OF INVENTION: TOMATO SPOTTED WILT VIRUS
 9
10       (iii) NUMBER OF SEQUENCES: 30
11
12        (iv) CORRESPONDENCE ADDRESS:
13                 (A) ADDRESSEE: Nixon Peabody LLP
14                 (B) STREET: Clinton Square, P.O. Box 1051
15                 (C) CITY: Rochester
16                 (D) STATE: New York
17                 (E) COUNTRY: U.S.A.
18                 (F) ZIP: 14603
19
20         (v) COMPUTER READABLE FORM:
21                 (A) MEDIUM TYPE: Floppy disk
22                 (B) COMPUTER: IBM PC compatible
23                 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24                 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
25
26        (vi) CURRENT APPLICATION DATA:
27                 (A) APPLICATION NUMBER:
28                 (B) FILING DATE:
29                 (C) CLASSIFICATION:
30
31       (vii) PRIOR APPLICATION DATA:
32                 (A) APPLICATION NUMBER: US 08/495,484
33                 (B) FILING DATE: 27-JAN-1994
34
35      (viii) ATTORNEY/AGENT INFORMATION:
36                 (A) NAME: Goldman, Michael L.
37                 (B) REGISTRATION NUMBER: 30,727
38                 (C) REFERENCE/DOCKET NUMBER: 19603/10303
39
40        (ix) TELECOMMUNICATION INFORMATION:
41                 (A) TELEPHONE: (716) 263-1304
42                 (B) TELEFAX: (716) 263-1600
43
44
45    (2) INFORMATION FOR SEQ ID NO:1:
46
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47          (i) SEQUENCE CHARACTERISTICS:
48              (A) LENGTH: 25 base pairs
49              (B) TYPE: nucleic acid
50              (C) STRANDEDNESS: single
51              (D) TOPOLOGY: linear
52
53      (ii) MOLECULE TYPE: DNA (genomic)
54
55
56
57
58      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
59
60  AGCAGGCAAA ACTCGCAGAA CTTGC                                      25
61
62  (2) INFORMATION FOR SEQ ID NO:2:
63
64          (i) SEQUENCE CHARACTERISTICS:
65              (A) LENGTH: 25 base pairs
66              (B) TYPE: nucleic acid
67              (C) STRANDEDNESS: single
68              (D) TOPOLOGY: linear
69
70      (ii) MOLECULE TYPE: DNA (genomic)
71
72
73
74
75      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
76
77  GCAAGTTCTG CGAGTTTTGC CTGCT                                      25
78
79  (2) INFORMATION FOR SEQ ID NO:3:
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81          (i) SEQUENCE CHARACTERISTICS:
82              (A) LENGTH: 32 base pairs
83              (B) TYPE: nucleic acid
84              (C) STRANDEDNESS: single
85              (D) TOPOLOGY: linear
86
87      (ii) MOLECULE TYPE: DNA (genomic)
88
89
90
91
92      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
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94  AGCTAACCAT GGTTAAGCTC ACTAAGGAAA GC                              32
95
96  (2) INFORMATION FOR SEQ ID NO:4:
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98          (i) SEQUENCE CHARACTERISTICS:
99              (A) LENGTH: 32 base pairs
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INPUT SET: S33895.raw

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100              (B) TYPE: nucleic acid
101              (C) STRANDEDNESS: single
102              (D) TOPOLOGY: linear
103
104        (ii) MOLECULE TYPE: DNA (genomic)
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107
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109        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
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111   AGCATTCCAT GGTTAACACA CTAAGCAAGC AC                              32
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113   (2) INFORMATION FOR SEQ ID NO:5:
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115        (i) SEQUENCE CHARACTERISTICS:
116              (A) LENGTH: 2216 base pairs
117              (B) TYPE: nucleic acid
118              (C) STRANDEDNESS: single
119              (D) TOPOLOGY: linear
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121        (ii) MOLECULE TYPE: DNA (genomic)
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123
124
125
126        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
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128   CAAGTTGAAA GCAACAACAG AACTGTAAAT TCTCTTGCAG TGAAATCTCT GCTCATGTCA    60
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130   GCAGAAAACA ACATCATGCC TAACTCTCAA GCTTCCACTG ATTCTCATTT CAAGCTGAGC   120
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132   CTCTGGCTAA GGGTTCCAAA GGTTTTGAAG CAGGTTTCCA TTCAGAAATT GTTCAAGGTT   180
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134   GCAGGAGATG AAACAAACAA AACATTTTAT TTATCTATTG CCTGCATTCC AAACCATAAC   240
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136   AGTGTTGAGA CAGCTTTAAA CATTACTGTT ATTTGCAAGC ATCAGCTCCC AATTCGCAAA   300
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138   TGCAAAGCTC CTTTTGAATT ATCAATGATG TTTTCTGATT TAAAGGAGCC TTACAACATT   360
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140   GTTCATGACC CTTCATACCC CAAAGGATCG GTTCCAATGC TCTGGCTCGA AACTCACACA   420
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142   TCTTTGCACA AGTTCTTTGC AACTAACTTG CAAGAAGATG TAATCATCTA CACTTTGAAC   480
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144   AACCTTGAGC TAACTCCTGG AAAGTTAGAT TTAGGTGAAA GAACCTTGAA TTACAGTGAA   540
145
146   GATGCCTACA AAGGAAATA TTTCCTTTCA AAAACACTTG AATGTCTTCC ATCTAACACA   600
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148   CAAACTATGT CTTACTTAGA CAGCATCCAA ATCCCTTCAT GGAAGATAGA CTTTGCCAGA   660
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150   GGAGAAATTA AAATTTCTCC ACAATCTATT TCAGTTGCAA AATCTTTGTT AAAGCTTGAT   720
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152   TTAAGCGGGA TCAAAAAGAA AGAATCTAAG GTTAAGGAAG CGTATGCTTC AGGATCAAAA   780
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INPUT SET: S33895.raw

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158     CAAAAAATAA AAATGAAAAT AAAATTAAAA TAAAATAAAA TCAAAAAATG AAATAAAAAC     960
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160     AACAAAAAAT TAAAAAACGA AAAACCAAAA AGACCCGAAA GGGACCAATT TGGCCAAATT    1020
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162     TGGGTTTTGT TTTTGTTTTT TGTTTTTTGT TTTTTATTTT TTATTTTATT TTTATTTTAT    1080
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164     TTTATTTTTA TTTTATTTTT ATTTTATTTA TTTTTTGTTT TCGTTGTTTT TGTTATTTTA    1140
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166     TTATTTATTA AGCACAACAC ACAGAAAGCA AACTTTAATT AAACACACTT ATTTAAAATT    1200
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168     TAACACACTA AGCAAGCACA AGCAATAAAG ATAAAGAAAG CTTTATATAT TTATAGGCTT    1260
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170     TTTTATAATT TAACTTACAG CTGCTTTCAA GCAAGTTCTG CGAGTTTTGC CTGCTTTTTA    1320
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172     ACCCCGAACA TTTCATAGAA CTTGTTAAGA GTTTCACTGT AATGTTCCAT AGCAACACTC    1380
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174     CCTTTAGCAT TAGGATTGCT GGAGCTAAGT ATAGCAGCAT ACTCTTTCCC CTTCTTCACC    1440
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176     TGATCTTCAT TCATTTCAAA TGCTTTGCTT TTCAGCACAG TGCAAACTTT TCCTAAGGCT    1500
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178     TCCTTGGTGT CATACTTCTT TGGGTCGATC CCGAGGTCCT TGTATTTTGC ATCCTGATAT    1560
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180     ATAGCCAAGA CAACACTGAT CATCTCAAAG CTATCAACTG AAGCAATAAG AGGTAAGCTA    1620
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182     CCTCCCAGCA TTATGGCAAG TCTCACAGAC TTTGCATCAT CGAGAGGTAA TCCATAGGCT    1680
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184     TGAATCAAAG GATGGGAAGC AATCTTAGAT TTGATAGTAT TGAGATTCTC AGAATTCCCA    1740
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186     GTTTCTTCAA CAAGCCTGAC CCTGATCAAG CTATCAAGCC TTCTGAAGGT CATGTCAGTG    1800
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188     CCTCCAATCC TGTCTGAAGT TTTCTTTATG GTAATTTTAC CAAAAGTAAA ATCGCTTTGC    1860
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190     TTAATAACCT TCATTATGCT CTGACGATTC TTTAGGAATG TCAGACATGA AATAACGCTC    1920
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192     ATCTTCTTGA TCTGGTCGAT GTTTTCCAGA CAAAAAGTCT TGAAGTTGAA TGCTACCAGA    1980
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194     TTCTGATCTT CCTCAAACTC AAGGTCTTTG CCTTGTGTCA ACAAAGCAAC AATGCTTTCC    2040
195
196     TTAGTGAGCT TAACCTTAGA CATGATGATC GTAAAGTTG TTATATGCTT TGACCGTATG    2100
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198     TAACTCAAGG TGCGAAAGTG CAACTCTGTA TCCCGCAGTC GTTTCTTAGG TTCTTAATGT    2160
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200     GATGATTTGT AAGACTGAGT GTTAAGGTAT GAACACAAAA TTGACACGAT TGCTCT
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/426,783*

Line	Error	Original Text